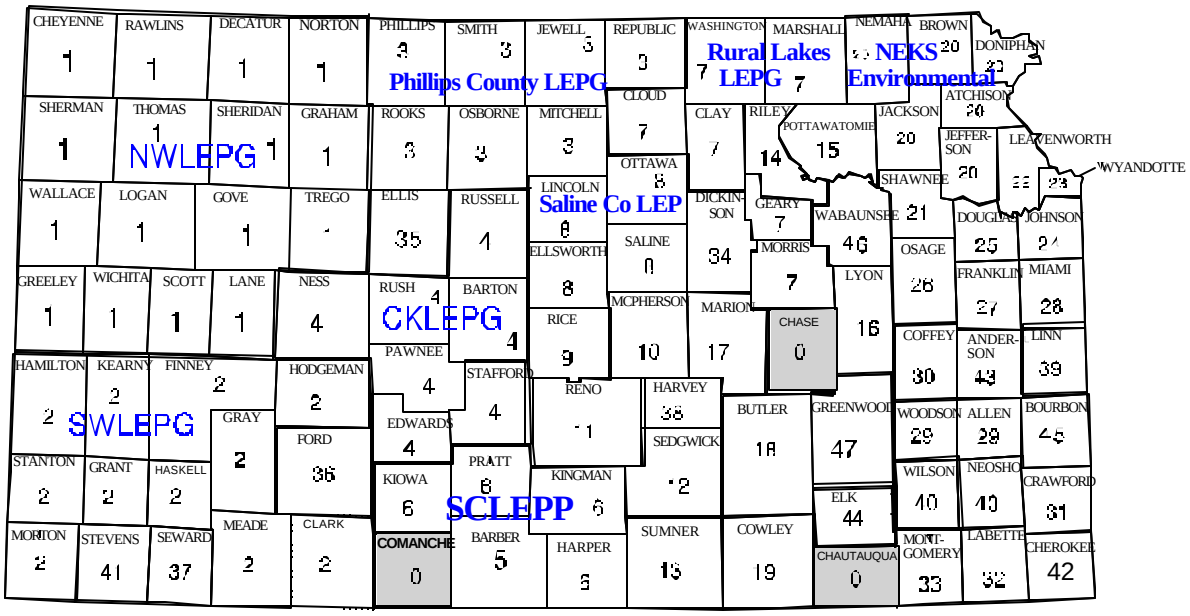
State Fiscal Year 2002

Annual Report

LOCAL ENVIRONMENTAL PROTECTION PROGRAM



KANSAS DEPARTMENT OF HEALTH & ENVIRONMENT
DIVISION OF ENVIRONMENT
BUREAU OF WATER
WATERSHED MANAGEMENT SECTION

Program funding from the Kansas Water Plan Fund

LOCAL ENVIRONMENTAL PROTECTION PROGRAM
STATE FISCAL YEAR 2002 ANNUAL REPORT
JULY 1, 2001 TO JUNE 30, 2002

CONTENTS

OVERVIEW

The Kansas Department of Health and Environment administers an environmental grant program to local entities for development of a local environmental protection plan to implement the environmental protection strategy of the Kansas Water Plan. An environmental protection plan covers the sanitary code, subdivision water and wastewater plan, solid waste management plan, hazardous waste management plan, public water supply protection plan, and nonpoint source pollution control plan.

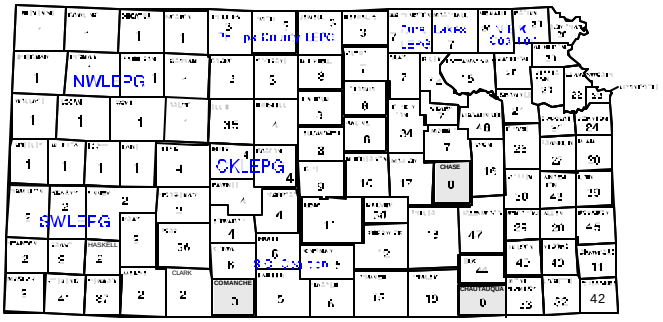
Through these grants, financial and technical assistance is provided to counties to assist in establishing and operating programs for environmental and public health protection. This is accomplished by both the prevention of environmental pollution and the correction of existing sources of pollution. Since full program implementation began in 1990, participation has risen from 61 to 102 counties in 2002. Local environmental technical assistance is now available to 99% of the state's population due to the LEP program.

FUNDING

Financial assistance from the Kansas Water Plan fund totaling $1.8 million dollars was allocated to the program during State Fiscal Year 2002 (SFY 2002) for funding of base programs. No funds were allocated specifically for target grants. One hundred and two counties received base grants with a minimum of $8,385 and maximum of $149,727. Table 1 on page 7 summarizes the funding history for the program.

During SFY 2002, there were 37 single county programs and 10 multi-county programs. Figure 1 shows program boundaries.

Figure 1



The county environmental staff as of October 2002 is listed on page 8.

TARGET GRANTS

Funds remaining after base grants are satisfied are available as target grants and can be used to perform specific projects or to supplement base grant funds to purchase equipment and supplies. During SFY 2002 target grants totaling $18,600 were made to six LEPP programs.

The Junction City/Geary County Health Department (Rural Lakes Region) used $2,200 to purchase a new computer to increase staff efficiency, and purchased water-testing supplies.

Labette County used $1,500 to investigate new technology in the wastewater management field and to educate the community, realtors, and contractors on this technology.

Leavenworth County used $6,000 for an engineering study consistent with implementation of the county wastewater management plan.

The Lyon County Health Department used $800 to purchase equipment to aid in the location and inspection of existing septic systems.

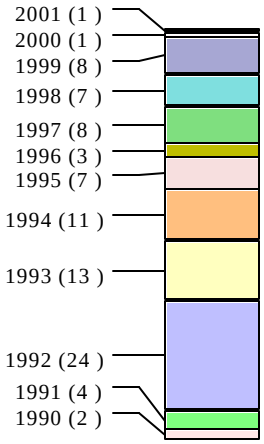
Montgomery County Environmental Health Department received a target grant in the amount of $2,500 for the continuation of well inspection, testing, education, reconstruction, and plugging of private wells.

Northeast Kansas Environmental Services installed a cable Internet connection to allow improved access to the NEKES website for data entry, utilization of maps, soil information and educational materials. They also hired temporary staff for data entry. Their target grant totaled $5,600.

SANITARY CODES

Local Environmental Protection Program regulations (K.A.R. 28-66-1(b)(2)) state that a core program will include "the development, implementation, and enforcement of a sanitary/environmental code which has been approved by the secretary of KDHE and which establishes standards for the management of on-site wastewater systems for the treatment and disposal of domestic sewage only." When the LEP was initiated in 1990, only twelve counties had locally adopted sanitary codes. The chart shows the number of codes adopted between 1990 & 2001.

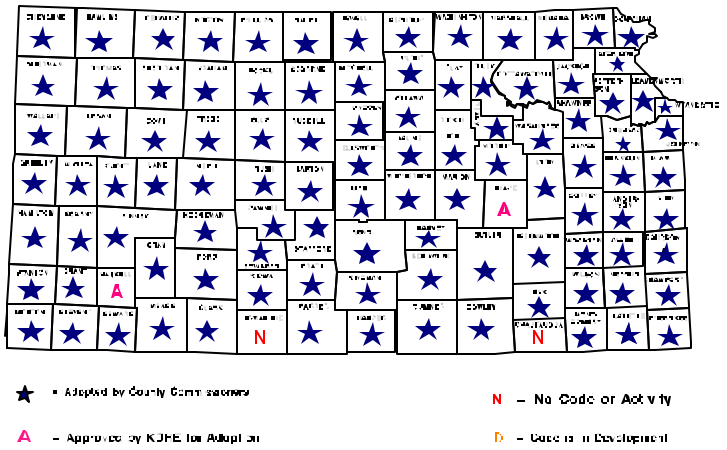
Figure 2



The figure below shows the current status of code activity in the state by county.

Figure 3

ENVIRONMENTAL CODE STATUS



PROGRAM TRACKING

Tracking of program progress is essential to ensure implementation of county objectives and provision of local environmental services. Code implementation sheets provided by program directors in quarterly reports document these activities. A summary of services provided by county during SFY 2002 is presented in Tables 2 & 3 (pages 9-12). Figures 3,4, and 5 present a statewide summary of categories of services.

Figure 4

ONSITE WASTEWATER ACTIVITIES

Site Assessments/ Inspection	Approved Systems Installed	Technical Assistance	Failed Systems Repaired or Replaced	Lender Evaluation	Enforcement Action
13775	4113	3408	1581	2403	864

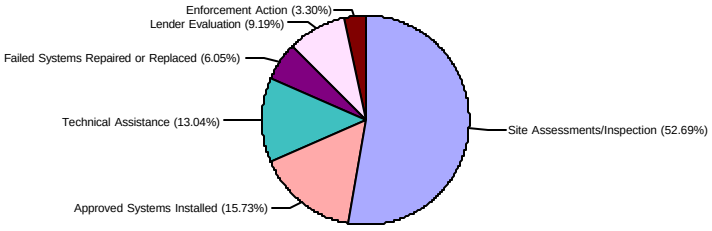


Figure 5

PRIVATE WATER WELL ACTIVITIES

Site Assessments/ Inspections	Permits Issued	Complaint Response/ Technical Assistance	Corrective Action	Plugging	Lender Evaluation
5028	716	1040	635	417	1719

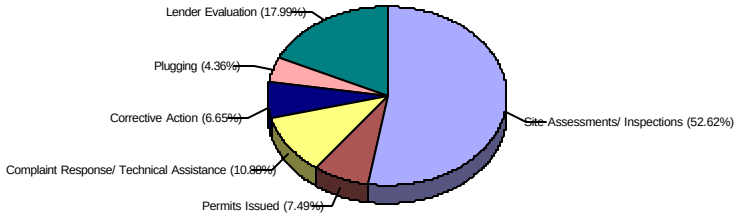
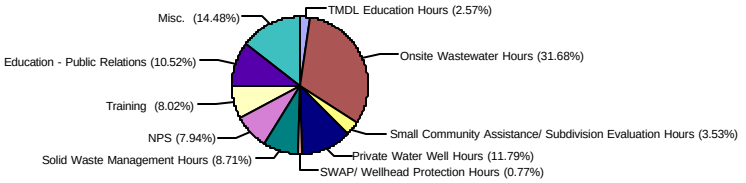


Figure 6

TECHNICAL ASSISTANCE HOURS

TMDL Education Hours	Onsite Wastewater Hours	Small Community Assistance/ Subdivision Evaluation Hours	Private Water Well Hours	SWAP/ Wellhead Protection Hours
1621.2	20015.55	2228.6	7447.75	484.5
Solid Waste Management Hours	**NPS Hours**	**Training Hours**	**Education/ Public Relations Hours**	**Misc. Info.**
5503.1	5016.4	5066.2	6645.1	9144.9



PROGRAM ACTIVITIES AND HIGHLIGHTS

SUNFLOWER SANITARIAN EDUCATION TOUR

Thirty-three sanitarians participated August 14 and 15, 2001 in a tour of Residential Sewage Company, Grandview, Missouri and the University of Missouri wastewater system research facility at Columbia.

A primary focus of this tour was to expose county staff to a wide array of Class I alternative wastewater systems currently approved for use in Missouri. University staff hosted our group for a comprehensive tour of their facilities. They did an excellent job of explaining each system and fielded a number of good questions from the Kansas group.

Maintenance is one of the keys to success with the more complex alternative wastewater treatment systems. The custom maintenance leader in the two state area is

Residential Sewage Company. They currently have more than 4,000 service contracts in place. Tom Fritts, Residential Sewage Company Vice President and his staff spent almost all day explaining their alternative systems design, marketing and maintenance program. Our group traveled to one of Residential's client's home to observe a complete service call on a Norweco Aerobic Treatment Unit. This was indeed a valuable learning experience.

SOIL PROFILE WORKSHOP

Twenty-six wastewater engineers, designers, installers, and sanitarians participated in a comprehensive two day soil profile evaluation workshop September 5 and 6, 2001 in Kingman, KS.

LEP Specialists, NRCS Soil Scientists, KSU Engineers, and Local LEP Staff joined forces to teach methods of evaluating basic soils characteristics which determine a soil's capability to absorb and treat on-site wastewater.

Students were taught how to establish wastewater loading rates for a variety of soils. Once the loading rate is established the next step is system selection. Various system options were illustrated and discussed.

This was the ninth soil profile workshop conducted over the past eleven years. In excess of two hundred students have received soil profile evaluation training during this period.

ON-SITE WASTEWATER LAGOON WORKSHOP

Eight wastewater lagoon design, construction and maintenance workshops were conducted by KDHE LEP Specialists and KSU Engineers this past year.

One hundred and thirty-one lagoon installers and sanitarians learned how to accurately size and design, construct and maintain wastewater lagoons. Issues such as how to seal leaking lagoons with soil additives and a variety of weed control problems were addressed.

Failure to fence domestic lagoons is a serious problem across the state. Safety and liability concerns for the owner of an unfenced lagoon were emphasized.

Two workshops were conducted specifically for lagoon owners. Fifty-two homeowners attended these sessions and learned the importance of fencing their lagoons, controlling weeds, trees and other vegetation and the need to keep at least three feet of water in their pond. These programs were well received and should be offered in the future all over the eastern half of Kansas.

ALTERNATIVE WASTEWATER SYSTEM WORKSHOPS

This past year two educational sessions were directed specifically to addressing more sophisticated wastewater treatment devices such as aerobic treatment units, textile filters, sandfilters, fixed activated sludge treatment units, etc.

Sanitarians, zoning officials, potential system installers and others attended these sessions to learn how advanced technology is now providing many options for wastewater treatment beyond the traditional septic tank/lateral field and wastewater lagoon.

KSU engineers and industry representatives were the key players in these trainings. Similar and more advanced educational sessions of this type will be in great demand in the future.

LOCAL PROGRAM REVIEWS

Prior to SFY 2003, question and answer meetings were provided around the state at each of the KDHE District offices to discuss the grant application process and requirements. Many concerns were raised regarding funding, source water assessment services, target grants and the Local Environmental Protection Plan. E-mail submission of the application was strongly encouraged.

The attached map on page 13 shows the KDHE Watershed Management Contacts

STATE AND LOCAL GOALS SFY2003

- Implement Local Environmental Protection Plans.
- Enforce code for on-site wastewater treatment.
- Enforce code for private drinking water wells and supplies.
- Provide local environmental information, education, and technical assistance.
- Participate in local subdivision water and wastewater programs.
- Promote proper solid and hazardous waste management.
- Participate in local nonpoint source pollution control programs.
- Promote water supply protection.
- Participate in the establishment and implementation of TMDLs.